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Title : method and device for evaluating deformations and forces

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ABSTRACT

The present invention relates to a method and a device for evaluating the deformations or forces to which a structure comprising an elastomeric body (2) is subjected, said device comprising a dipole (6), the dielectric (3) of which is formed by said elastomeric body and an electronic analysing circuit sensitive to a variation of a capacitive characteristic of the dipole caused by said deformations of said body.

In particular, but not exclusively, the invention relates to a device for evaluating the forces to which a pneumatic tire is subjected when rolling, as it passes through the contact area. The invention applies similarly in other structures comprising an elastomeric body, such as, for example, the elastomeric joints intended for the chassis system of vehicles.

Figure 1

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